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UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

N4005.0703/P703

Commissioner for Patents  
Washington, DC 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/943,187	08/29/2001	Kristy A. Campbell	MI22-1742

24998

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

2101 L STREET NW

WASHINGTON, DC 20037-1526

RECEIVE



\*OC000000009888487\*

CONFIRMATION NO. 8497

APR 25 2003

TJD/JD

LUS 4/26/03 Amy

APR 28 AM 8:09  
Date Mailed: 04/22/2003

### NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/23/2002.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

*Doris King*

DORIS M KING  
2800 (703) 306-4213

ATTORNEY/APPLICANT COPY



Commissioner for Patents  
Washington, DC 20231  
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/943,187	08/29/2001	Kristy A. Campbell	MI22-1742

CONFIRMATION NO. 8497

021567  
WELLS ST. JOHN ROBERTS GREGORY & MATKIN P.S.  
601 W. FIRST AVENUE  
SUITE 1300  
SPOKANE, WA 99201-3828



\*OC000000009888481\*

Date Mailed: 04/22/2003

### NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/23/2002.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).



  
DORIS M KING  
2800 (703) 306-4213

NEW ATTORNEY/AGENT COPY

Docket No.: M4065.0703/P703  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Kristy A. Campbell, et al.

Application No.: 09/943,187

Group Art Unit: 2822

Filed: August 29, 2001

Examiner: Khanh B. Duong

For: METHOD OF FORMING  
CHALCOGENIDE COMPRISING  
DEVICES AND METHOD OF  
FORMING A PROGRAMMABLE  
MEMORY CELL OF MEMORY  
CIRCUITRY

**DECLARATION OF KRISTY A. CAMPBELL**  
**CALLING ATTENTION TO INFORMATION PURSUANT TO 37 C.F.R. § 1.56**

U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop: Declaration  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Dear Sir:

I, Kristy A. Campbell, hereby declare and state as follows:

1. I reside at 5131 South Tinker Street, Boise, Idaho 83709.
2. I am one of the inventors of the invention described and claimed in the above-captioned application.
3. Micron Technology, Inc. ("Micron") is the assignee of the invention claimed in the application identified above.
4. I am a Senior Engineer at Micron working on the research and development of new memory devices, including memory devices based on chalcogenide materials including Ge<sub>2</sub>Se<sub>100-x</sub> materials. I have held this position since June 26, 2000 when I first joined Micron.

5. I am making this Declaration to bring to the attention of the Patent and Trademark Office information which may be deemed material to the prosecution of this application.

6. To the best of my knowledge and belief, on March 22, 2000, Micron entered into a Research and License Agreement ("Agreement") with Axon Technologies Corp. ("Axon") and Michael N. Kozicki ("Kozicki") pursuant to which Axon and/or Kozicki would perform certain research on behalf of and provide information to Micron with respect to Programmable Metallization Cell Technology ("PMC"), which is based on chalcogenide materials.

7. To the best of my knowledge and belief, pursuant to the Agreement, the requirement by Micron to keep information received from Axon and/or Kozicki confidential has now expired.

8. To the best of my knowledge and belief, pursuant to the Agreement, on April 6, 2000, Kozicki, an employee of Axon and a professor at Arizona State University ("ASU") gave a presentation to several members of Micron's personnel on the topic of PMC and mechanism of dendrite formation. I was not present at this presentation. I reviewed the presentation in July 2000. A handout and slide show from this presentation are attached as Exhibit 1.

9. To the best of my knowledge and belief, the subject matter detailed in the Exhibits and discussed above was not disclosed in any publication or otherwise publicly disclosed prior to the date it was delivered to Micron.

10. While I do not believe any of the material reported above is deemed "material" to the claimed invention in the above-referenced application, nonetheless, I wish to bring it to the attention of the Examiner for his/her independent review for possible relevance pursuant to 37 C.F.R. § 1.56. The disclosure of this information is not intended as an admission that it constitutes prior art to the invention claimed in the above-captioned application.

Application No.: 09/943,187

Docket No.: M4065.0703/P703

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information or belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of this declaration, the present application, or any patent resulting therefrom.

Further the Declarant sayeth not.

9/24/03  
Date

Kristy A. Campbell  
Kristy A. Campbell, Ph.D.

**DECLARATION OF JOINT INVENTORS FOR PATENT APPLICATION**

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled "Method of Forming Non-Volatile Resistance Variable Devices and Method of Forming a Programmable Memory Cell of Memory Circuitry", the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

**PRIOR FOREIGN APPLICATIONS:**

I hereby state that no applications for foreign patents or inventor's certificates have been filed prior to the date of execution of this declaration.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such

willful false statement may jeopardize the validity of the application or any patent issued therefrom.

\* \* \* \* \*

Full name of inventor: **Kristy A. Campbell**

Inventor's Signature:

Kristy A. Campbell

Date:

8/27/01

Residence:

**Boise, Idaho**

Citizenship:

**U.S.A.**

Post Office Address:

**9845 West Mossy Cup Street  
Boise, ID 83709**

\* \* \* \* \*

Full name of inventor:

**John T. Moore**

Inventor's Signature:

John T. Moore

Date:

8/27/01

Residence:

**Boise, Idaho**

Citizenship:

**U.S.A.**

Post Office Address:

**12530 W. Lexus Ct.  
Boise, ID 83713**



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... Unknown  
 Filing Date .... Filed Herewith  
 Inventor .... Kristy A. Campbell, et al.  
 Assignee .... Micron Technology, Inc.  
 Group Art Unit .... Unknown  
 Examiner .... Unknown  
 Attorney's Docket No. .... MI22-1668  
 Title: Method of Forming Non-Volatile Resistance Variable Devices and Method  
 of Forming a Programmable Memory Cell of Memory Circuitry

POWER OF ATTORNEY BY ASSIGNEE AND  
CERTIFICATE BY ASSIGNEE UNDER 37 CFR § 3.73(b)

To: Assistant Commissioner for Patents  
 Washington, D.C. 20231

Sir:

MICRON TECHNOLOGY, INC., the Assignee of the entire right, title and  
 interest in the above-identified patent application by assignment attached hereto,  
 hereby appoints the attorneys and agents of the firm of WELLS, ST. JOHN,  
 ROBERTS, GREGORY & MATKIN P.S., listed as follows:

David P. Roberts	Reg. No. 23,032
Randy A. Gregory	Reg. No. 30,386
Mark S. Matkin	Reg. No. 32,268
James L. Price	Reg. No. 27,376
Deepak Malhotra	Reg. No. 33,560
Mark W. Hendricksen	Reg. No. 32,356
David G. Latwesen	Reg. No. 38,533
George G. Grigel	Reg. No. 31,166
Keith D. Grzelak	Reg. No. 37,144
James D. Shaurette	Reg. No. 39,833
Frederick M. Fliegel	Reg. No. 36,138
Donald Brent Kenady	Reg. No. 40,045
James E. Lake	Reg. No. 44,854
Bernard Berman	Reg. No. 37,279

and also attorneys Michael L. Lynch (Reg. No. 30,871) and Charles B. Brantley II (Reg. No. 38,086) of Micron Technology, Inc., as its attorneys with full power of substitution to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The Assignee certifies that the above-identified Assignment has been reviewed and to the best of Assignee's knowledge and belief, title is in the Assignee, and a copy of the Assignment is submitted herewith.

Please direct all correspondence regarding this application to:

Customer No. 021567  
Wells, St. John, Roberts, Gregory & Matkin P.S.  
Attn: Mark S. Matkin  
601 West First Avenue, Suite 1300  
Spokane, WA 99201-3828

Telephone: (509) 624-4276  
Facsimile: (509) 838-3424

MICRON TECHNOLOGY, INC.

Dated: 8-28-01

By: 

Name: Michael L. Lynch, Esq.  
Title: Chief Patent Counsel

Attachment: Copy of Assignment; Copy of Board of Directors' Resolution